Manuscript Information:

Title: Dependence of Self-Assembled Peptide Hydrogel Network Structure on Local Fibril Nanostructure
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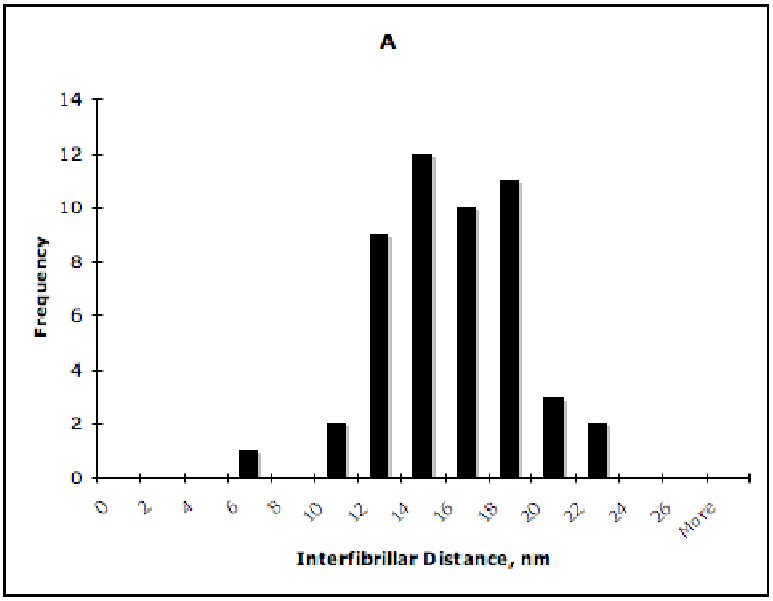

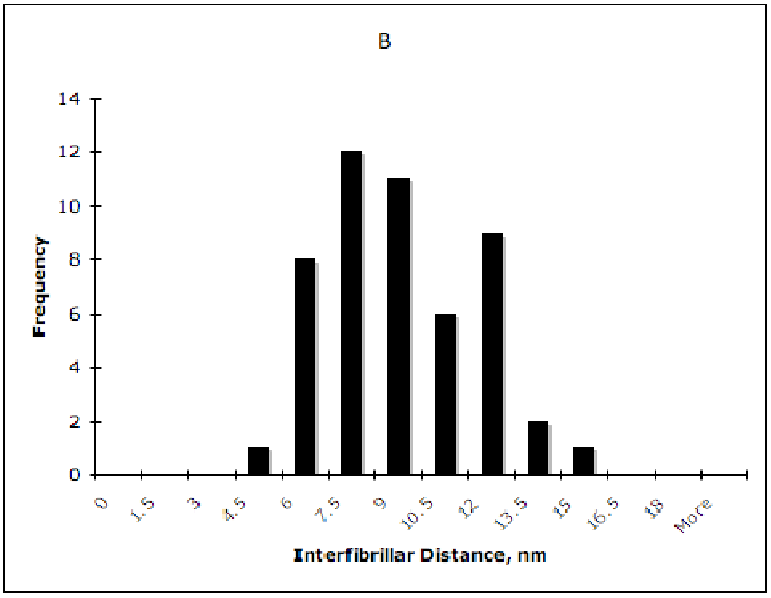

Figure S-1: Histograms for the cryo-TEM image analysis of 1 wt% (A) and 3 wt% (B) SSP2. The mean distance between interfibrillar crosslinks decreases from 14.2 ± 3 nm for 1 wt% SSP2 to 8.4 ± 2.4 nm for 3 wt% SSP2 (N = 50 for both images). Image analysis was performed using ImageJ[1]. Crosslinks in these gels were defined according to a previous study.[2]

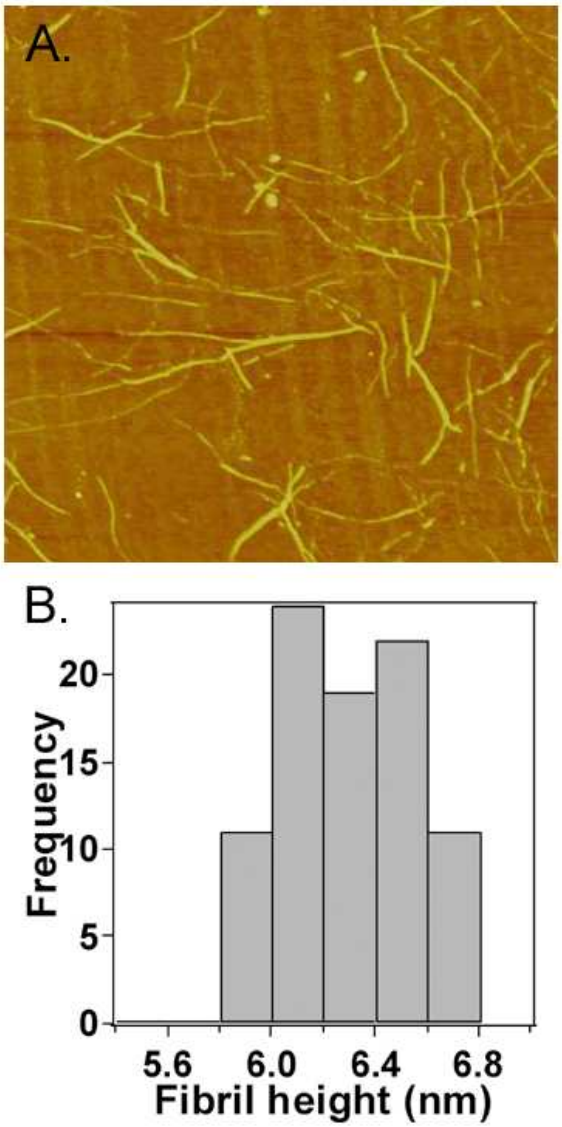

Figure S-2: (A) Tapping mode AFM image of SSP3 fibrils on a mica surface. Dimensions of the figure are 2.5 μm X 2.5 μm. (B) Height analysis of the fibrils shown in Figure S-2 (A). Average fibrillar height is 6.1 ± 0.2 nm (N = 91).

References:

(1) Rasband, W. S.; U. S. National Institutes of Health: Bethesda, MD, 1997-2006.

(2) Yucel, T.; Micklitsch, C. M.; Schneider, J. P.; Pochan, D. J. *Macromolecules* **2008**, *41*, 5763-5772.